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(54) **Ceramic sliding member and process of fabricating the same**

(57) Ceramic sliding member including (a) a ceramic substrate (2, 3) consisting of a dense sintered body of a ceramic material consisting essentially of metal oxide and/or silicate, (b) an intermediate film (7) formed on a mechanically ground surface of the ceramic substrate, the intermediate film being formed from a product produced by pyrolysis of an organosilicon compound and comprising carbon and silicon, and (c) a pyrolytic carbon film (8) formed on the intermediate film, the pyrolytic carbon film being produced by pyrolysis of hydrocarbon and having a graphite-like layered structure, the pyrolytic carbon film serving as a sliding surface (1) of the ceramic sliding member.

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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Y	US 4 991 822 A (ENKE KNUT) 12 February 1991 * column 2, line 7 - line 19; claims 1-3,6 * * column 4, line 7 - line 32 * ---	1,2,5,10	C04B41/89
Y	DATABASE WPI Section Ch, Week 9213 Derwent Publications Ltd., London, GB; Class L02, AN 92-099948 XP002024880 & JP 04 041 590 A (NIPPON CEMENT KK) , 12 February 1992 * abstract * ---	1,2,5,10	
A	EP 0 216 810 A (GEVIPI AG) 8 April 1987 * column 3, line 58 - line 65; claim 1 * ---	1,5	
D,A	US 5 100 565 A (FUJIWARA NORIHITO ET AL) 31 March 1992 * claims; example 1 * ---	1,3,5	
A	DATABASE WPI Section Ch, Week 9136 Derwent Publications Ltd., London, GB; Class L02, AN 91-263198 XP002024879 & JP 03 172 683 A (TOTO KIKI KK) , 26 July 1991 * abstract * ---	1,3,5	TECHNICAL FIELDS SEARCHED (Int.Cl.6) C23C C04B F16K
A	POWELL CAROLL F ET AL: "Vapor Deposition" 1966 , JOHN WILEY AND SONS , NEW YORK XP002024878 1808 * page 352 - page 359 * -----		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 12 February 1997	Examiner Rosenberger, J
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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